MODEL: BT

OPERATING INSTRUCTION
AND PARTS MANUAL

■ **BT-3530** ■ **BT-4020** ■ **BT-5030**

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visit our website at **www.shark-pw.com**

#97-727

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Model Number _____

Serial Number _____

Date of Purchase _____

The model and serial numbers will be found on a decal attached to the pressure washer. You should record both serial number and date of purchase and keep in a safe place for future reference.

INTRODUCTION & IMPORTANT SAFETY INFORMATION

Thank you for purchasing this Pressure Washer.

All information in this manual is based on the latest product information available at the time of printing.

We reserve the right to make changes at any time without incurring any obligation.

Owner/User Responsibility:

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this pressure washer. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturers' instructions.

This manual should be considered a permanent part of the machine and should remain with it if machine is resold.

When ordering parts, please specify model and serial number.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using this machine, basic precautions should always be followed, including the following:

⚠ CAUTION

READ OPERATOR'S MANUAL THOROUGHLY PRIOR TO USE.

CAUTION: To reduce the risk of injury, read operating instructions carefully before using.

1. Read the owner's manual thoroughly. Failure to follow instructions could cause malfunction of the machine and result in death, serious bodily injury and/or property damage.
2. Know how to stop the machine and bleed pressures quickly. Be thoroughly familiar with the controls.
3. Stay alert — watch what you are doing.
4. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling distributor for specific details.

   To comply with the National Electrical Code (NFPA 70) and provide additional protection from risk of electric shock, these pressure washers are equipped with a UL approved ground fault circuit interrupter (GFCI) power cord (120V and 230V 1 ph). All other models must be connected to a GFCI circuit breaker.

⚠ WARNING

RISK OF EXPLOSION: DO NOT USE WITH FLAMMABLE LIQUIDS.

WARNING: Flammable liquids can create fumes which can ignite causing property damage or severe injury.

WARNING: Risk of explosion — do not spray flammable liquids.

5. Risk of explosion — do not spray flammable liquids or operate in an explosive location.

⚠ WARNING

KEEP WATER SPRAY AWAY FROM ELECTRICAL WIRING.

WARNING: Keep water spray away from electric wiring or fatal electric shock may result.

6. To protect the operator from electrical shock, the machine must be electrically grounded. It is the responsibility of the owner to connect this machine to a UL grounded receptacle of proper voltage and amperage ratings. Do not spray water on or near electrical components. Do not touch machine with wet hands or while standing in water. Always disconnect power before servicing.
7. Grip cleaning wand securely with both hands before starting the cleaner. Failure to do this could result in injury from a whipping wand.

⚠ WARNING

RISK OF INJECTION OR SEVERE INJURY TO PERSONS. KEEP CLEAR OF NOZZLE.

WARNING: The high pressure stream of fluid that this equipment can produce can pierce skin and its underlying tissues, leading to serious injury and possible amputation.

8. High pressure developed by these machines will cause personal injury or equipment damage. Use caution when operating. Do not direct discharge stream at people, or severe injury or death will result.
9. Never make adjustments on machine while in operation.

IMPORTANT SAFETY INFORMATION

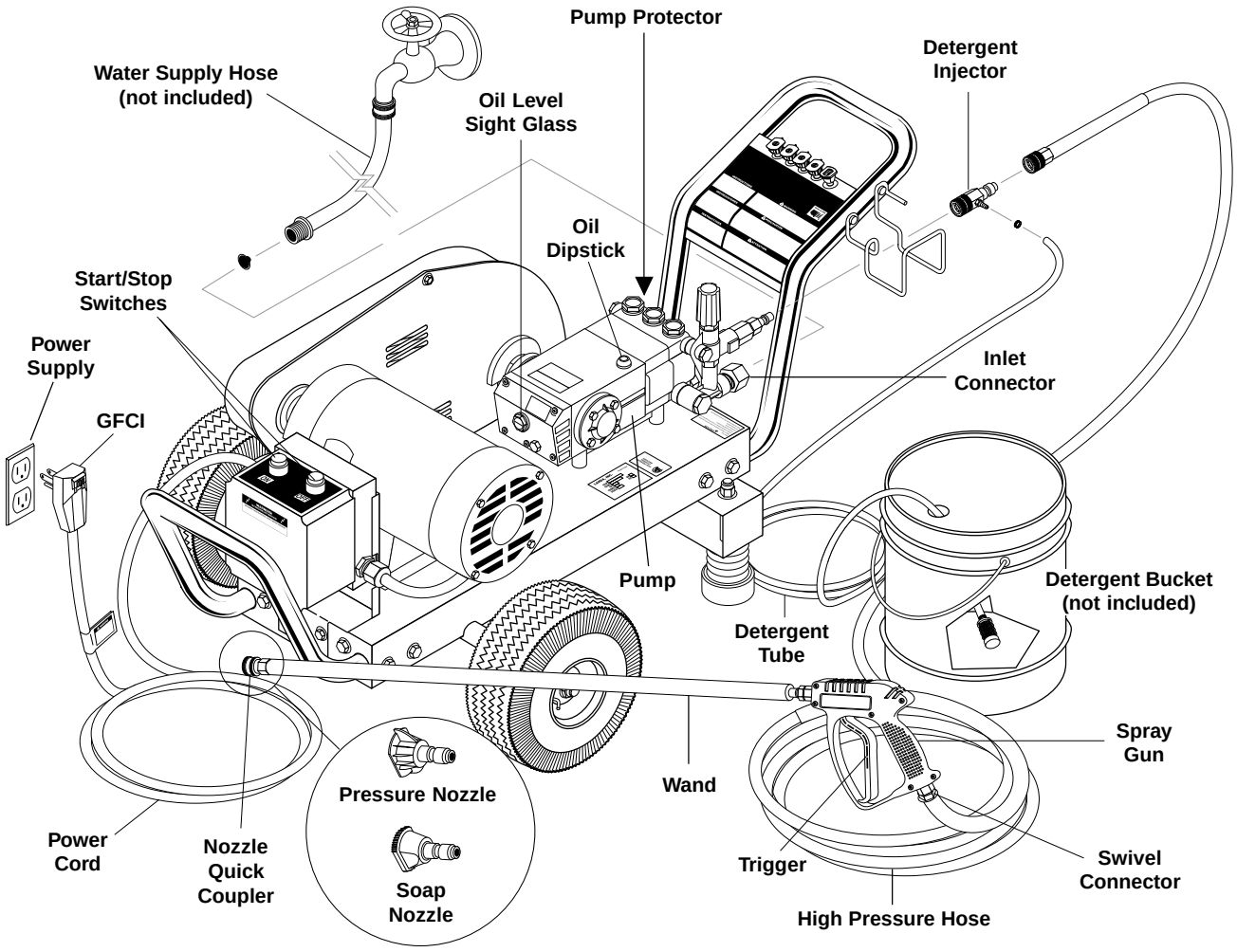
⚠ WARNING

USE PROTECTIVE EYEWEAR WHEN OPERATING.

WARNING: High pressure spray can cause paint chips or other particles to become airborne and fly at high speeds.

10. Eye safety devices and foot protection must be worn when using this equipment.
11. Machines with spray gun should not be operated with the trigger in the off position for extensive periods of time as this may cause damage to the pump.
12. Protect from freezing.
13. Be certain all quick coupler fittings are secured before using pressure washer.
14. Do not allow acids, caustic or abrasive fluids to pass through the pump.
15. Inlet water must be cold and clean fresh water.
16. To reduce the risk of injury, close supervision is necessary when a machine is used near children. Do not allow children to operate the pressure washer. **This machine must be attended during operation.**
17. The best insurance against an accident is precaution and knowledge of the machine.
18. Manufacturer will not be liable for any changes made to our standard machines or any components not purchased from us.

COMPONENT IDENTIFICATION



Detergent Injector - Allows you to siphon and mix detergents.

High Pressure Hose - Connect one end to water pump discharge nipple and the other end to spray gun.

Nozzle Quick Coupler - To easily connect the high pressure hose and soap nozzle to wand.

Oil Level Sight Glass - A quick visual reference to the oil level in the pump.

Pump - Develops high pressure.

Pump Protector - Cycles fresh cool water through pump when recirculating water reaches 140°F.

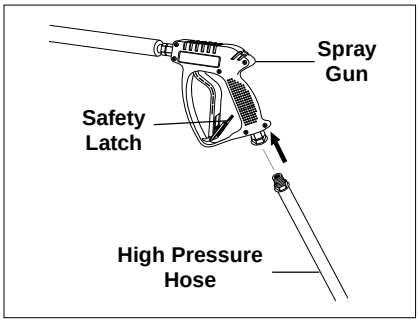
Spray Gun - Must be connected to the high pressure hose and wand.

Swivel Connector - Connects to the spray gun and wand. Minimizes hassle of hose coiling.

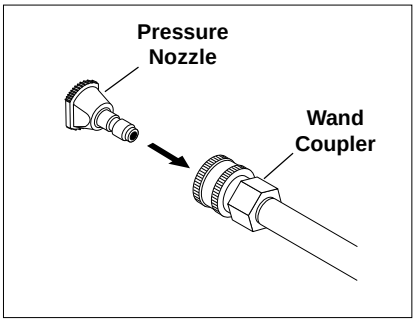
Wand - Must be connected to the spray gun.

Note: **If trigger on spray gun is released for more than 2 minutes, water will leak from valve. Warm water will discharge from pump protector onto floor. This system prevents internal pump damage.**

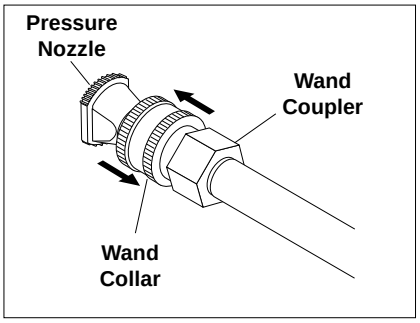
ASSEMBLY INSTRUCTIONS



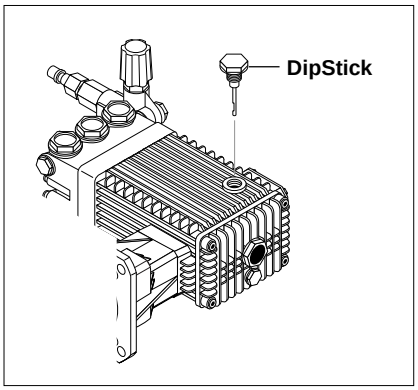
STEP 1: Attach the high pressure hose to the spray gun using teflon tape on hose threads.



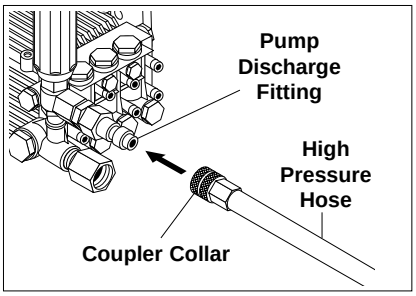
STEP 2: Pull the spring-loaded collar of the wand coupler back to insert your choice of pressure nozzle.



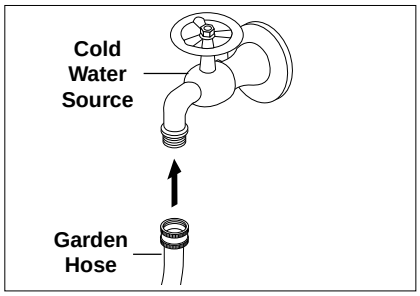
STEP 3: Release the coupler collar and push the nozzle until the collar clicks. Pull the nozzle to make sure it is seated properly.



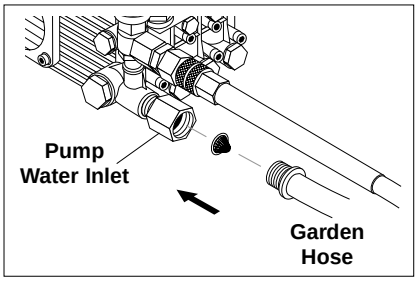
STEP 4: Remove shipping cap and install oil dipstick. Check pump oil level by using dipstick or observe oil level in oil window (if equipped). Use 30 wt. non detergent oil.



STEP 5: Connect the high pressure hose to the pump discharge fitting. Push coupler collar forward until secure.

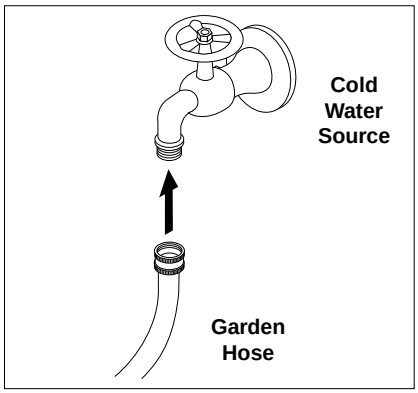


STEP 6: Connect garden hose to the cold water source.

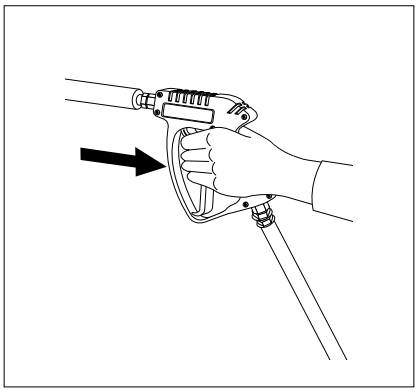


STEP 7: Check inlet filters, remove debris, then connect the garden hose to pump water inlet. ***CAUTION: Do not run the pump without water or pump damage will result.***

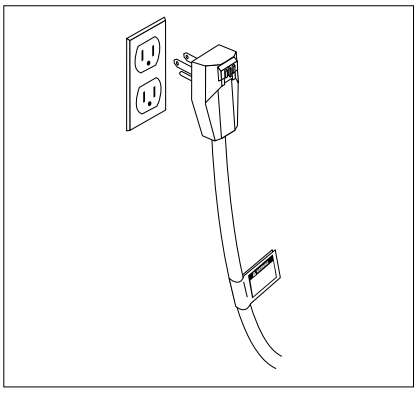
OPERATING INSTRUCTIONS



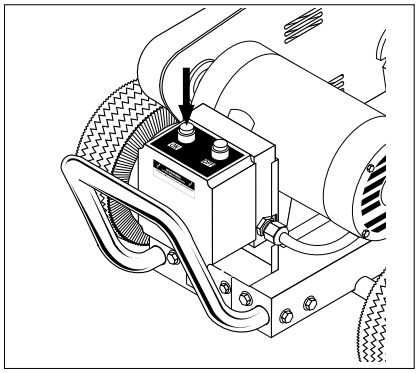
STEP 1: Connect garden hose to the cold water source and turn water on completely. Never use hot water.



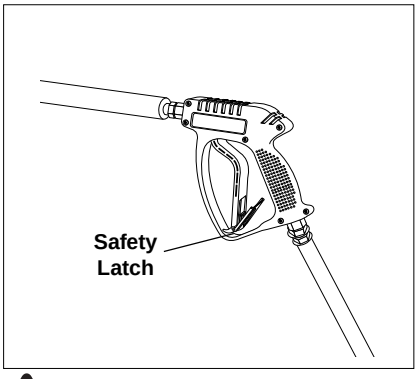
STEP 2: Trigger the spray gun to eliminate trapped air then wait for a steady flow of water to emerge from the spray nozzle.



STEP 3: Connect machine to adequate power source. Push reset button on GFCI.

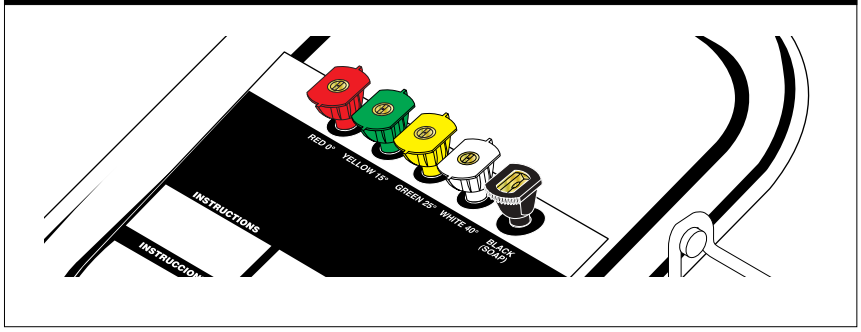


STEP 4: Turn machine on.



⚠ WARNING! Never replace nozzles without engaging the safety latch on the spray gun trigger.

NOZZLES

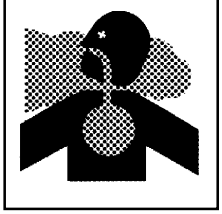


The five color-coded quick connect nozzles provide a wide array of spray widths from 0° to 45° and are easily accessible when placed in the convenient rubber nozzle holder, which is provided on the front of the machine.

NOTE: For a more gentle rinse, select the white 40° or green 25° nozzle. To scour the surface, select the yellow 15° or red 0° nozzle. To apply detergent select the black nozzle.

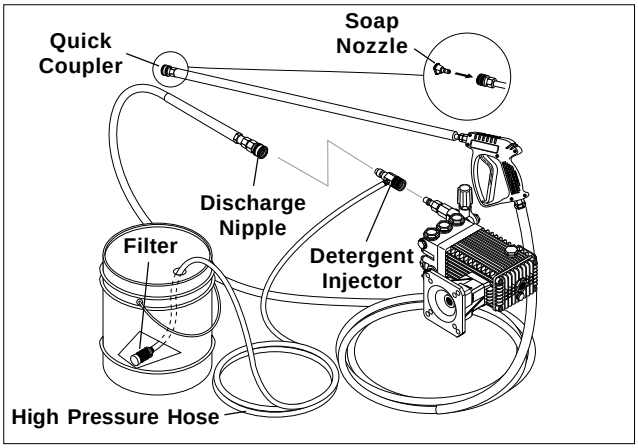
DETERGENTS AND GENERAL CLEANING TECHNIQUES

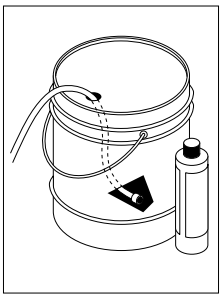
⚠ WARNING



WARNING: Some detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning. The harmful elements may cause property damage or severe injury.

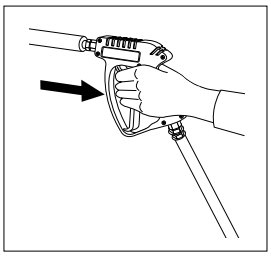
STEP 1: Connect detergent injector to discharge nipple on machine, Connect high pressure hose to injector with quick coupler. (Check to make sure locking coupler sleeves are in proper position before applying water pressure.)





STEP 2: Use detergent designed specifically for pressure washers. Household detergents could damage the pump. Prepare detergent solution as required by the manufacturer. Fill a container with pressure washer detergent. Place the filter end of detergent suction tube into the detergent container.

STEP 3: With safety latch on spray gun engaged, secure black detergent nozzle into quick coupler. **NOTE:** Detergent cannot be applied using red, yellow, green or white nozzles.



STEP 4: With the engine running, pull trigger to operate machine. Liquid detergent is drawn into the machine and mixed with water. Apply detergent to work area. Do not allow detergent to dry on surface.

IMPORTANT: You must flush the detergent injection system after each use by placing the suction tube into a bucket of clean water, then run the pressure washer in low pressure for 1-2 minutes.

THERMAL PUMP PROTECTION

If you run the engine on your pressure washer for 3-5 minutes without pressing the trigger on the spray gun, circulating water in the pump can reach high temperatures. When the water reaches this temperature, the pump protector engages and cools the pump by discharging the warm water onto the ground. This thermal device prevents internal damage to the pump.

CLEANING TIPS

Pre-rinse cleaning surface with fresh water. Place detergent suction tube directly into cleaning solution and apply to surface at low pressure (for best results, limit your work area to sections approximately 6 feet square and always apply detergent from bottom to top). Allow detergent to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. If surface appears to be drying, simply wet down surface with fresh water. If needed, use brush to remove stubborn dirt. Rinse at high pressure from top to bottom in an even sweeping motion keeping the spray nozzle approximately 1 foot from cleaning surface. Use overlapping strokes as you clean and rinse any surface. For best surface cleaning action spray at a slight angle.

Recommendations:

- Before cleaning any surface, an inconspicuous area should be cleaned to test spray pattern and distance for maximum cleaning results.
- If painted surfaces are peeling or chipping, use extreme caution as pressure washer may remove the loose paint from the surface.
- Keep the spray nozzle a safe distance from the surface you plan to clean. High pressure wash a small area, then check the surface for damage. If no damage is found, continue to pressure washing.

⚠ ***CAUTION - Never use:***

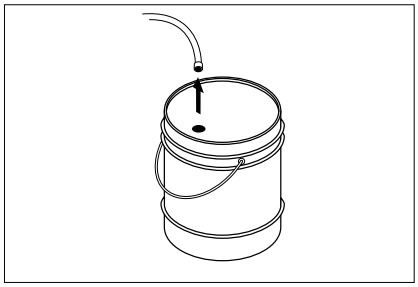
- Bleach, chlorine products and other corrosive chemicals
- Liquids containing solvents (i.e., paint thinners, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

These chemicals will harm the machine and will damage the surface being cleaned.

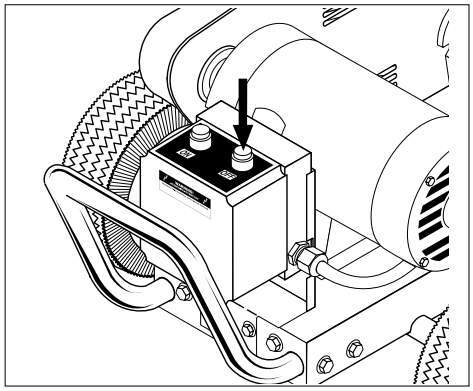
RINSING

It will take a few seconds for the detergent to clear. Apply safety latch to spray gun. Remove black soap nozzle from quick coupler. Select and install desired high pressure nozzle. **NOTE:** You can also stop detergent from flowing by removing detergent siphon tube from bottle.

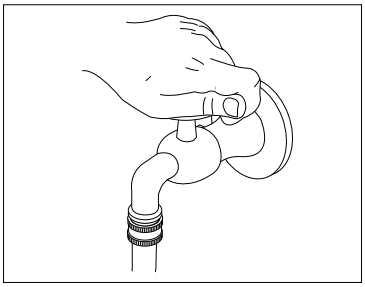
SHUTTING DOWN AND CLEAN-UP



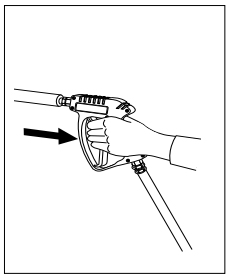
STEP 1: Remove detergent suction tube from container and insert into one gallon of fresh water. Slide nozzle forward for low pressure or to connect black detergent nozzle. Pull trigger on spray gun and siphon water for one minute.



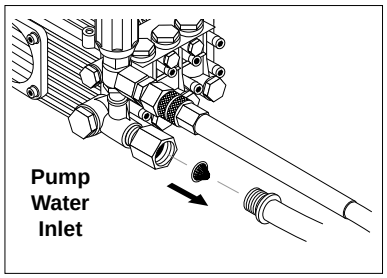
STEP 2: Turn off machine.



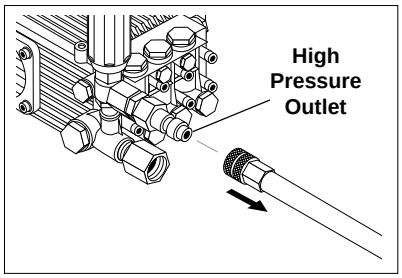
STEP 3: Turn off water supply.



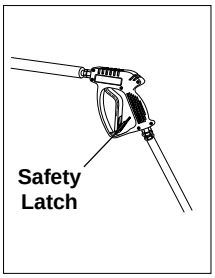
STEP 4: Press trigger to release water pressure.



STEP 5: Disconnect the garden hose from the water inlet on the machine.



STEP 6: Disconnect the high pressure hose from high pressure outlet.



STEP 7: Engage the spray gun safety lock.

STORAGE

Pump Storage

CAUTION

CAUTION: Always store your pressure washer in a location where the temperature will not fall below 32° F (0° C). The pump in this machine is susceptible to permanent damage if frozen.

FREEZE DAMAGE IS NOT COVERED BY WARRANTY.

If you must store your pressure washer in a location where the temperature is below 32° F, you can minimize the chance of damage to your machine by draining your machine as follows:

1. Stop the pressure washer and detach supply hose and high pressure hose. Squeeze the trigger of the spray gun to drain all water from the wand and hose.
2. Restart pressure washer and let it run briefly (about 5 seconds) until water no longer discharges from the high pressure outlet.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
PUMP RUNNING NORMALLY BUT PRESSURE LOW ON INSTALLATION	Pump sucking air	Check water supply and possibility of air seepage.
	Check valves sticking	Check and clean or replace if necessary.
	Unloader valve seat faulty	Check and replace if necessary.
	Nozzle incorrectly sized	Check and replace if necessary.
	Worn piston packing	Check and replace if necessary.
FLUCTUATING PRESSURE	Valves worn	Check and replace if necessary.
	Blockage in valve	Check and clean out if necessary.
	Pump sucking air	Check water supply connections.
	Worn piston packing	Check and replace if necessary.
	Insufficient water	Check filter and hose for breakage.
PRESSURE LOW AFTER PERIOD OF NORMAL USE	Nozzle worn	Check and replace if necessary.
	Suction or delivery valves worn	Check and replace if necessary.
	Suction or delivery valves blocked	Check and clean if necessary.
	Unloader valve seat worn	Check and replace if necessary.
	Worn piston package	Check and replace if necessary.
PUMP NOISY	Air in suction line	Check water supply and connections on suction line.
	Broken or weak suction or delivery valve spring	Check and replace if necessary.
	Foreign matter in valves	Check and clean if necessary.
	Worn bearings	Check and replace if necessary.
	Excessive temperature of water	Reduce to below 140° F.
PRESENCE OF WATER IN PUMP OIL	Oil seal worn	Check and replace if necessary.
	High humidity in air	Check and change oil twice as often.
	Piston packing worn	Check and replace if necessary.
WATER DRIPPING FROM UNDER PUMP	Piston packing worn	Check and replace if necessary.
	O-Ring plunger retainer worn	Check and replace if necessary.
WATER DRIPPING FROM PUMP PROTECTOR	Water supply pressure too high (over 90 psi)	Lower water supply pressure using a regulator.
	Spray gun is in the off position for over 5 minutes	Turn machine off if not in use for over 5 minutes.
OIL DRIPPING	Oil seal worn	Check and replace if necessary.
EXCESSIVE VIBRATION IN HIGH-PRESSURE HOSE	Irregular functioning of the pump valves	Check and replace if necessary.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
MOTOR WILL NOT START	Usually caused by line trouble, such as single phasing at the starter	Check source of power. Check overloads, fuses, controls, etc.
MOTOR OVERHEATING	Overload. Compare actual amps (measured) with nameplate rating	Locate and remove source of excessive friction in motor or load. Reduce load or replace with motor of greater capacity.
	Single phasing	Check current at all phases (should be approximately equal) to isolate and correct problem.
	Improper ventilation	Check external cooling fan to be sure air is moving properly across cooling fins. Excessive dirt build-up on motor. Clean motor.
	Unbalanced voltage	Check voltage at all phases (should be approximately equal) to isolate and correct the problem.
	Over voltage or under voltage	Check input voltage at each phase to motor.
	Open stator winding	Check stator resistance at all three phases for balance.
	Improper connections	Inspect all electrical connections for proper termination, clearance, mechanical strength and electrical continuity. Refer to wiring diagrams.
BEARING OVERHEATING	Misalignment	Check and align motor and driven equipment.
	Excessive belt tension	Reduce belt tension to proper point for load.
	Excessive grease in bearing	Remove grease until cavity is approximately 3/4 filled.
	Insufficient grease in bearing	Add grease until cavity is approximately 3/4 filled.
	Dirt in bearing	Clean bearing cavity and bearing. Repack with correct grease until cavity is approximately 3/4 filled.
GROWLING OR WHINING	Bad bearing	Replace bearing. Clean all grease from cavity and new bearing. Repack with correct grease until cavity is approximately 3/4 filled.

PREVENTATIVE MAINTENANCE

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment. Contact your dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions.

Pump Oil	Inspect	Daily inspect the oil level
	Change	After first 50 hours, then every 500 hours or annually
Replace High Pressure Nozzle		Every 6 months
Replace Quick Connects		Anually
Clean Water Screen/Filter		Weekly
Replace HP Hose		Anually if there is any sign of wear
Grease Motor		Every 10,000 hours or annually

General Inspection

Inspect the motor at regular intervals, approximately every 500 hours of operation, or every 3 months, whichever occurs first. Keep the motor clean and the ventilation openings clear. The following steps should be performed at each inspection:

WARNING: Do not touch electrical connections before you first ensure that power has been disconnected. Electrical shock can cause serious or fatal injury. Only qualified personnel should attempt the installation, operation and maintenance of this equipment.

1. Check that the motor is clean. Check that the interior and exterior of the motor is free of dirt, oil, grease, water, etc. Oily vapor, paper pulp, textile lint, etc. can accumulate and block motor ventilation. If the motor is not properly ventilated overheating can occur and cause early motor failure.
2. Check all electrical connectors to be sure that they are tight.

Lubrication & Bearings

Bearing grease will lose its lubricating ability over time, not suddenly. The lubricating ability of a grease (over time) depends primarily on the type of grease, the size of the bearing, the speed at which the bearing operates and the severity of the operating conditions. Good results can be obtained if the following recommendations are used in your maintenance program.

Type of Grease

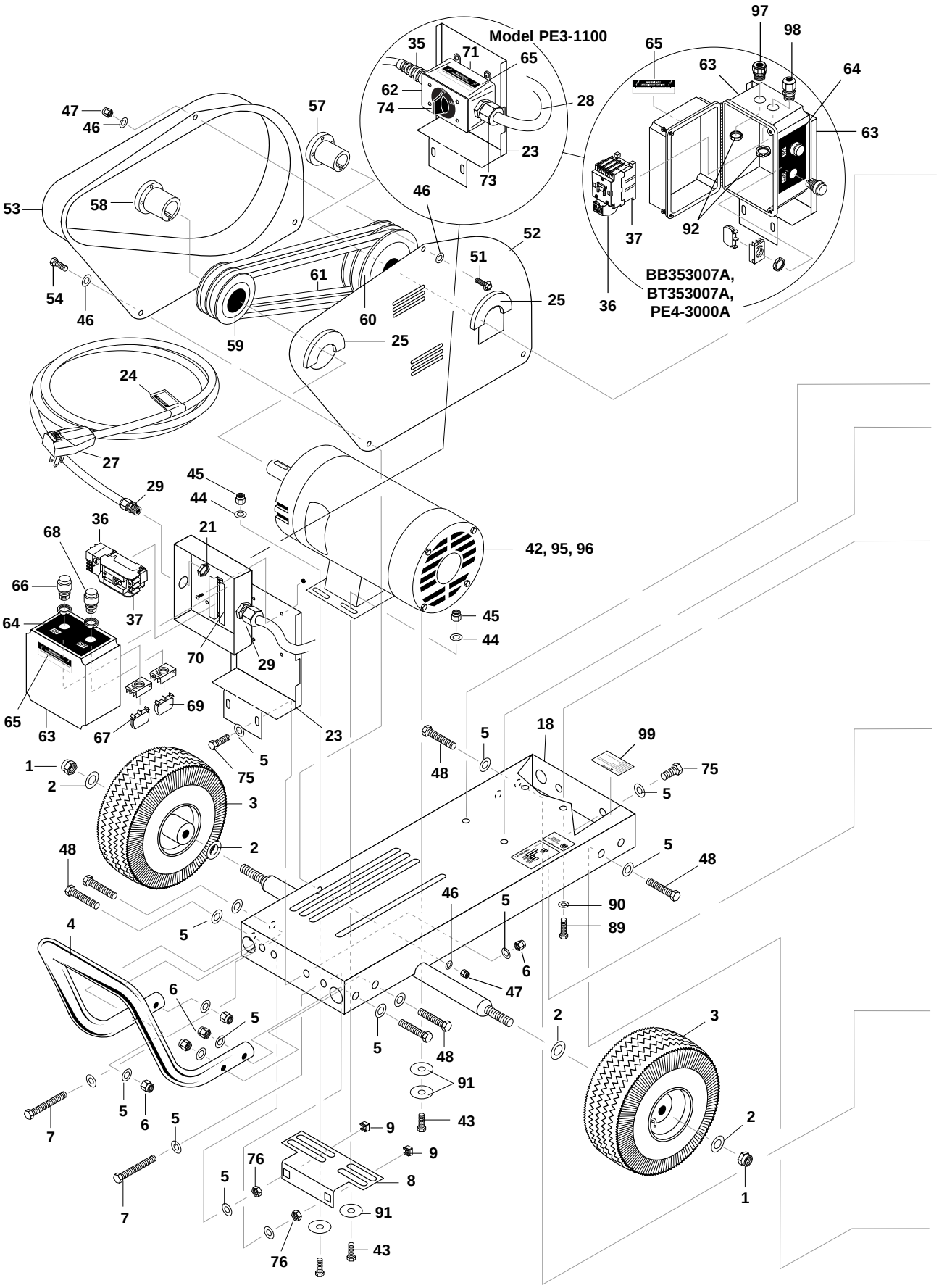
A high grade ball or roller bearing grease should be used. Recommended greases for standard service conditions are: Shell Dolium R (Factory installed) or Chevron SRI.

OIL CHANGE RECORD

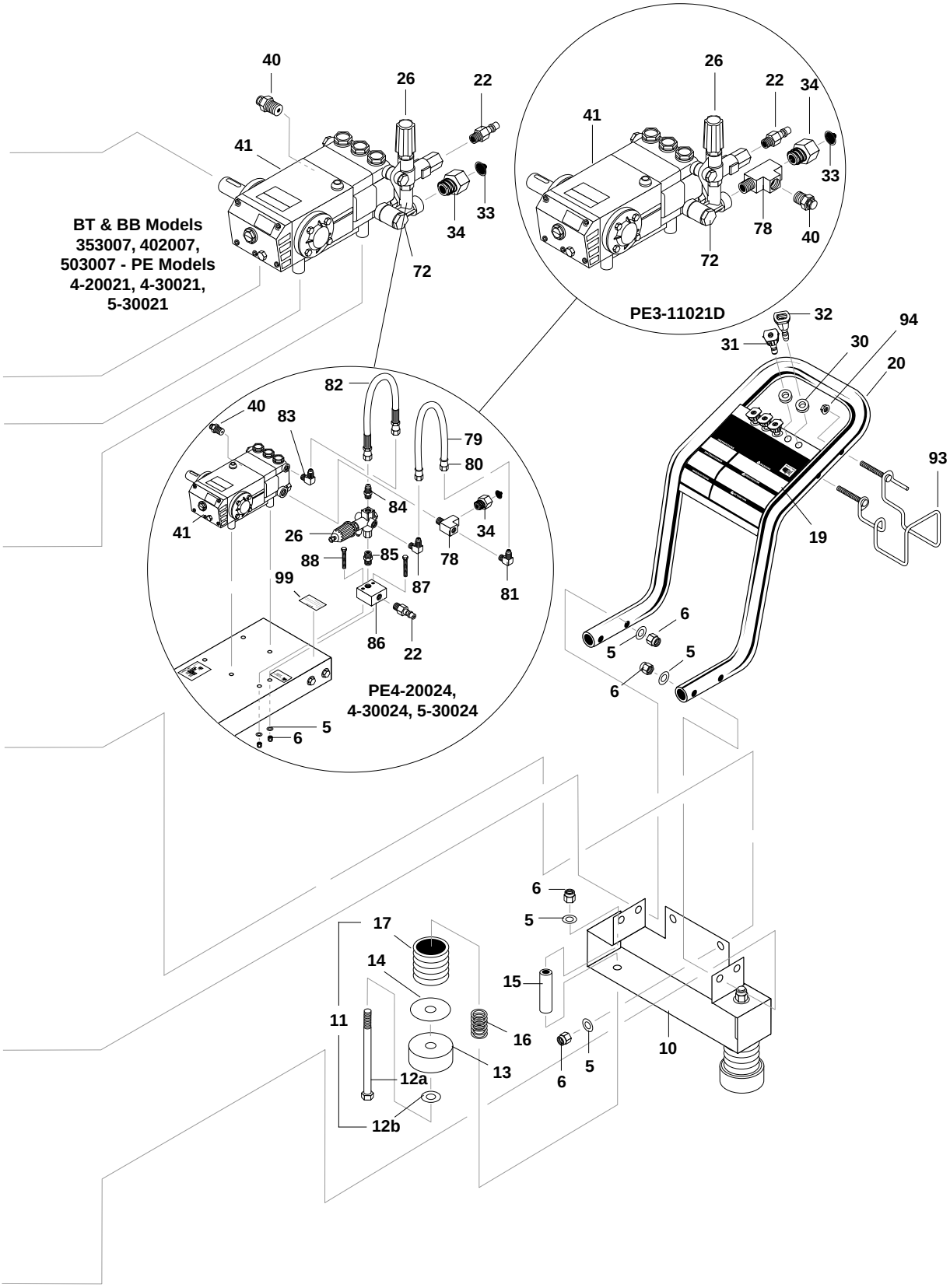
Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

EXPLODED VIEW



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	90-2004	Nut, Jam, ESNA, NC, 5/8"	2
2	90-4005	Washer, Flat, SAE, 5/8"	4
3	4-0307	Tire & Wheel Cmpl, Steel 6" (All Models except 3-1100)	2
	4-0303	Wheel & Tire Assembly, 4" Tube, (3-1100)	2
4	95-07101130	Handle, Bumper, 1-1/4", Chrome Plated	1
5	90-4002	Washer, Flat, SAE, 3/8"	30
6	90-2002	Nut, ESNA, NC, 3/8"	14
7	90-10220	Bolt, 3/8" x 3-1/2", Tap	2
8	95-07101135	Bracket, Belt Tension	1
9	90-2020	Nut, Cage, 3/8", 12 Gauge	2
10	95-07101219	Bracket, Foot, Black (PE)	1
	95-07101219R	Bracket, Foot, Red (BB, BT)	1
11	92-102	Foot Assembly (Items 11-17)	2
12a	90-1023	Bolt, 3/8" x 5", NC	2
12b	90-40125	Washer, 3/8" x 1", Steel	2
13	2-01041	Pad, Soft Rubber	2
14	90-4015	Washer, 2-1/2" x 7/16", Flat Washer	2
15	95-07161114A	Tube, Foot, Bolt PC	2
16	90-5009	Spring, Foot, Compression	2
17	2-0107	Bellows, Leg (Boot)	2
18	95-07101216	Frame, Black, Welded (PE3-1100)	1
	95-07101222	Frame, Large, Black, Welded (PE Models)	1
	95-07101222R	Frame, Large, Red (BB, BT)	1
19	11-0364	Label, BT	1
	11-0331	Label, BB	1
	10-99060	Label, PE	1
20	95-07101145	Handle, 1-1/4", Chrome	1
21	6-05172	Locknut, 3/4"	2
22	2-2007	Nipple, 3/4" x 3/8" Male	1
23	95-07101021	Bracket, Electrical Box (All Models except 353007A, 4-3000A)	1
	95-07101022	Bracket, Electrical Box (353007A, 4-3000A)	1
24	10-08018	Label, Warning Service Cord	1
25	2-0106	Cushion, Pump	2
26	See Unloader Specifications, Pages 20-21		

ITEM	PART NO.	DESCRIPTION	QTY
27	6-01060	Cord, w/GFCI, 120V/20 Amp, 36' (3-1100)	1
	6-0105	Cord, Service 12/4 (353007C; 4-2000B,C; 402007B,C; 43000C, N;503007C; 5-3000C)	15 ft.
	6-01059	Cord w/GFCI, 240V/30Amp 36' (4-2000A; 402007A)	1
	6-0109	Cord, Service,10/4 (353007B; 4-3000B)	15 ft.
	6-010690	GFCI, 240V, 40A, 1 PH, 37' Cord (353007A; 4-3000A)	1
	6-01021	Cord, Service, 8/4 (503007B; 5-3000B)	15 ft.
28	6-0108	Cord, Service, SEO, 10/3 (402007A; 4-2000A)	2.75 ft.
	6-0104	Cord Service SEO, 12/3 (3-1100)	2 ft.
	6-0105	Cord, Service, SEO, 12/4 (353007C; 402007B,C; 4-2000B,C; 4-3000C,N; 5-3000C; 503007C)	2.75 ft.
	6-0109	Cord, Service, SEO, 10/4 (353007B; 4-3000B)	2.75 ft.
	6-0102	Cord, Service SEO 8/3 (353007A; 4-3000A)	4 ft.
	6-01021	Cord, Service SEO, 8/4 (5-3000B; 503007B)	2.75 ft.
29	6-051595	Fitting, STRT, LQ Tite, Plastic (353007B,C; 402007A,B,C; 4-2000A,B,C;4-3000B,C,N; 5-3000C; 503007C)	2
	6-05170	Strain Relief, Water Tight (5-3000B, 503007B)	2
30	2-0103	Grommet, Rubber, 1/8"	5
31	4-12804000	Nozzle, SAQC MEG 0004 Red (4-3000; 3530)	1
	4-12804015	Nozzle, SAQC MEG 1504 Yellow (4-3000; 3530)	1
	4-12804025	Nozzle, SAQC MEG 2504 Green (4-3000; 3530)	1
	4-12804040	Nozzle, SAQC MEG 4004 White (4-3000; 3530)	1
	4-12805500	Nozzle SAQC MEG 0005.5 Red (3-1100, 5030, 5-3000)	1
	4-12805515	Nozzle, SAQC MEG 15055 Yellow (3-1100; 5030; 5-3000)	1
	4-12805525	Nozzle, SAQC MEG 25055 Green (3-1100; 5030; 5-3000)	1
	4-12805540	Nozzle, SAQC MEG 4055 White (3-1100; 5030; 5-3000)	1
	4-12806000	Nozzle, SAQC MEG 0506 Red (4-2000; 4020)	1
	4-12806015	Nozzle, SAQC MEG 1506 Yellow (4-2000; 4020)	1
	4-12806025	Nozzle, SAQC, Meg 2506 Green (4-2000; 4020)	1
	4-12806040	Nozzle, SAQC MEG 4006 White (4-2000; 4020)	1

EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
32	4-16540	Nozzle, Brass, Soap	1
33	2-1902	Strainer, Inlet Garden Hose	1
34	2-10942	Swivel, 1/2" MP x 3/4" GHF	1
35	6-05154	Strain Relief, Plastic, LQ Tite (3-1100)	1
	6-05181	▲ Locknut, 1/2” (3-1100)	1
36	See Overload Specifications, Pages 20-21		
37	See Contactor Specifications, Pages 20-21		
38	90-1991	▲ Screw, 10/32" x 1/2"	6
39	90-017	▲ Nut, 10/32" Keps	4
40	2-30082	Pump Protector, 1/2", PTP	1
41	See Pump Specifications, Pages 20-21		
42	See Motor Specifications, Pages 20-21		
43	90-1007	Bolt, 5/16" x 1", NC HH (3-1100)	4
	90-1017	Bolt, 3/8" x 1-1/4", NC HH (All Models Except 3-1100)	4
44	90-4001	Washer, 5/16" Flat (3-1100)	4
	90-4002	Washer, 3/8" Flat	4
45	90-2001	Nut, 5/16" ESNA (3-1100)	4
	90-2002	Nut, 3/8" ESNA	4
46	90-4001	Washer, 5/16" Flat	6
47	90-2001	Nut, 5/16" ESNA, NC	3
48	90-1020	Bolt, 3/8" x 2", NC HH	8
49	90-4000	▲ Washer, 1/4" Flat, SAE	4
50	90-2000	▲ Nut, 1/4" ESNA, NC	2
51	90-1006	Bolt, 5/16" x 3/4", NC HH	1
52	95-07101211	Back Plate, Belt Guard, Large	1
	95-07101213	Back Plate, Belt Guard, Small (3-1100)	1
	90-5004	▲ Belt Guard, Pull Spring	1
	90-1028	▲ Eyebolt, 1/4" x 1"	2
53	2-01171	Belt Guard, Small (3-1100)	1
	2-01172	Belt Guard, Large (PE)	1
	2-0117201	Belt Guard, Large (BB, BT)	1
	10-99055	▲ Label (PE)	1
	11-0332	▲ Label (BT)	1
	11-0330	▲ Label (BB)	1
54	90-1007	Bolt, 5/16" x 1" NC, HH	2
55	10-020PE	▲ Label, PE	1
56	10-2031100	▲ Label, 3-1100	1
	10-2042000	▲ Label, 4-2000	1
	10-2043000	▲ Label, 4-3000	1
	10-2053000	▲ Label, 5-3000	1
57	See Pump Bushing Specifications, Pages 20-21		
58	See Motor Bushing Specifications, Pages 20-21		
59	See Motor Pulley Specifications, Pages 20-21		
60	See Pump Pulley Specifications, Pages 20-21		

ITEM	PART NO.	DESCRIPTION	QTY
61	See Belt Specifications, Pages 20-21		
62	6-03911	Lid, Plastic, Carlon (3-1100)	1
63	6-03904	Enclosure, Fiberglass, Nema 4X (except 3-1100, 35007A, 4-3000A)	1
	6-03909	Box, Plastic 10" x 8" x 6" (35007A, 4-3000A)	1
	95-07290068	▲ Standoff, Electrical Box (35007A, 4-3000A)	1
64	10-08015A	Label, OFF/ON for Push Button (All Models Except 3-1100)	1
65	10-08021	Label, Disconnect Power Supply	1
66	6-2021	Switch, Green Push Button, CH E22PB3 (All Models Except 3-1100)	1
67	6-2001	Block, Contact, N/O, CH E22B2 (All Models Except 3-1100)	1
68	6-2022	Switch, Red Push Button, CH E22EB2(All Models Except 3-1100)	1
69	6-2000	Block, Contact, N/C, CH E22B1 (All Models Except 3-1100)	1
70	6-021595	Din Rail (All Models Except (3-1100, 353007A, 4-2000A, 42007A, 4-3000A)	4"
	90-1991	▲ Screw, 10/32" x 1/2"	1
	90-1994	▲ Screw, 10/32"x1-1/4", Ground (All Models Except 3-1100)	1
	90-017	▲ Nut, 10/32" Keps	3
71	6-03910	Box, Electric (3-1100 only)	1
72	2-1044	Plug, Brass 1/8"(3-1100,353007, 402007, 4-20021, 4-30021, 503007, 5-30021)	1
73	6-051595	Strain Relief, STRT, LQ Tite Large, 3/4" (3-1100)	1
	6-05172	▲ Locknut, 3/4” (3-1100)	1
74	6-020204	Switch, 2 Pos., 1-3 PH (3-1100)	1
75	90-1016	Bolt, 3/8" x 1", NC	4
76	90-2007	Nut, 3/8" Hex NC	2
77	11-1042	▲ Label, Ground	1
78	2-1042	Tee, 1/2" (3-11021, 4-20024, 4-30024, 5-30024)	1
79	2-02110000	Hose, 1/2" Push-On (4-20024, 4-30024, 5-30024)	1.3 ft.
80	2-1105	Swivel, 1/2" JIC Fem, Push-On (4-20024, 4-30024, 5-30024)	2
81	2-1062	Elbow, 1/2" JIC x 1/2", 90° (4-20024, 4-30024, 5-30024)	1

EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
82	4-02047720	Hose, 3/8" x 20", 2 Wire, Pressure Loop (4-20024, 4-30024, 5-30024)	1
83	2-0053	Elbow, 1/2" JIC x 3/8", 90° (4-20024, 4-30024, 5-30024)	1
84	2-0051	Nipple, 1/2" JIC x 3/8", Pipe (4-20024, 4-30024, 5-30024)	1
85	2-0006	Nipple, 3/8", Hex (4-20024, 4-30024, 5-30024)	1
86	95-07101216/B	Block, Unloader, 3/8" x 3/8", Brass (4-20024, 4-30024, 5-30024)	1
87	2-1060	Elbow, 1/2" x 3/8", 90° (4-20024, 4-30024, 5-30024)	1
88	90-1020	Bolt, 3/8" x 2", NC HH (4-20024, 4-30024, 5-30024)	2
89	90-10343	Bolt, 10mm x 20mm, HH (All Models except 3-11021, 4-20021, 4-30021, 5-30021)	4
90	90-400910	Washer, 7/16" Lock, Split(All Models except 3-11021, 4-20021, 4-30021, 5-30021)	4
91	90-4007	Washer, 3/8" x 1-1/2", Fender (All Models Except 3-1100)	6
	90-4006	Washer, 5/16” x 1-1/4” Fender (3-1100)	6

ITEM	PART NO.	DESCRIPTION	QTY
92	6-05172	▲ Locknut, 3/4” Conduit	2
93	95-07102382	Hanger, Hose & Wand	1
94	90-20012	Nut, 5/16" Whiz Loc, Flange	2
95	6-051595	Strain Relief, Watertite (3-1100D;353007B, C;4-2000A, B, C; 4-3000B, C; 402007A, B, C)	1
	6-051700	▲ Strain Relief, 1" Metal (4-3000A, N; 5-3000C; 503007C; 35300A)	1
	6-051701	Strain Relief, 1” (5-3000B, 503007B)	1
96	6-05181B	Lock Nut, 3/4" (3-1100D; 353007B, C; 4-2000A, B, C; 4-3000B, C; 402007A, B, C)	1
	6-05182	Locknut, 1” (353007A; 4-3000A, N; 503007B,C; 5-3000B, C)	1
97	6-05170	Strain Relief, 3/4 Watertight (3530A, 4-3000A)	1
98	6-051595	Strain Relief, 3/4 Watertight Plastic (3530A, 4-3000A)	1
99	9.800-049.0	Label, Manufacturer’s Cleaning Solution	1

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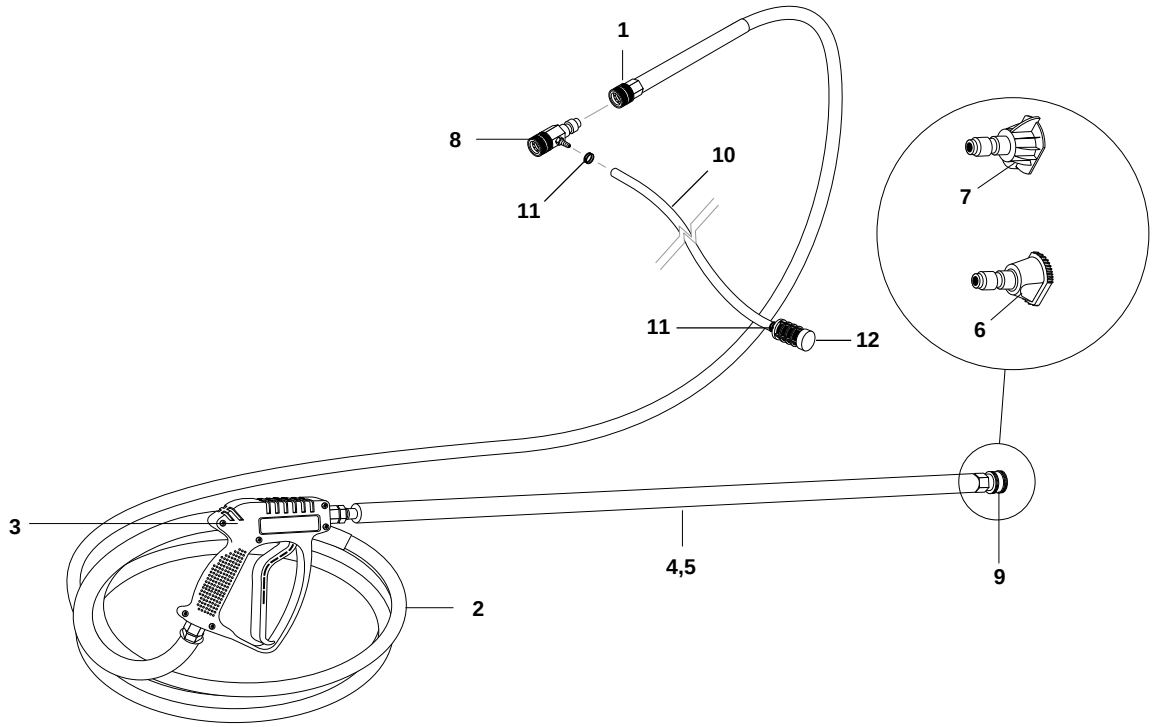
HOSE & SPRAY GUN ASSEMBLY



HOSE & SPRAY GUN ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	2-2002	Coupler, 3/8" Female	1
	2-0121	▲ Quick Coupler O-Ring Large	1
2	4-02043450C	Hose 3/8” x 50’ w/Coupler (PE Models)	1
	4-020650C	Hose 3/8” x 50’ 1 Wire Pressure, w/Coupler (BB Models)	1
	4-02093450BC	Hose 3/8” x 50’ 1 Wire Blue, w/Coupler (BT Models)	1
3	4-01212	Spray Gun, Shut-off (PE Models)	1
	4-01246	BB &BT Models	1
4	4-0110410	Wand, Straight (PE Models)	1
	4-0110322	Wand w/side Grip (BB & BT Models)	1
5	4-011231	Cover, Wand (PE Models)	1

ITEM	PART NO.	DESCRIPTION	QTY
6	4-16540	Brass Soap Nozzle	1
7	Nozzle, See Page 16, Item #31		
8	4-011184	Detergent Injector (3-5 GPM)	1
9	2-2000	Coupler, 1/4" Female	1
	2-0119	▲ Quick Coupler O-Ring Small	1
10	4-02080000	Tube, 1/4” x 1/2” Clear Vinyl	6 ft.
11	2-9040	Clamp, Hose	2
12	2-1904	Strainer, 1/4” Hose Barb	1

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SPECIFICATIONS

PARTS SPECIFICATIONS

	PUMP						MOTOR			
Model	Pump	Pump Part No.	Unloader Part No.	Pump Pulley	Pump Pulley Part No.	Pump Bushing	Bushing Part No.	Motor Size	Motor Voltage/ph	Hz
4-20024A	LT5030	5-1728	5-3208	2AK84H	5-40208401	25MM	5-512025	6.2HP	230V/1PH	60
4-20024B	LT5030	5-1728	5-3208	2AK84H	5-40208401	25MM	5-512025	6.2HP	230V/3PH	60
4-20024C	LT5030	5-1728	5-3208	2AK84H	5-40208401	25MM	5-512025	6.2HP	460V/3PH	60
4-30024A	LT5030	5-1728	5-3208	2BK90H	5-40509001	25MM	5-512025	7.5HP	230V/1PH	60
4-30024B	LT5030	5-1728	5-3208	2BK90H	5-40509001	25MM	5-512025	7.5HP	230V/3PH	60
4-30024C	LT5030	5-1728	5-3208	2BK90H	5-40509001	25MM	5-512025	7.5HP	460V/3PH	60
4-30024N	LT5030	5-1728	5-3208	2BK70H	5-40507001	25MM	5-512025	7.5HP	380V/3PH	50
5-30024B	LT5030	5-1728	5-3208	2BK65H	5-40506501	25MM	5-512025	10HP	230V/3PH	60
5-30024C	LT5030	5-1728	5-3208	2BK65H	5-40506501	25MM	5-512025	10HP	460V/3PH	60
402007A	GM4030	5-1910	5-3029	2AK74H	5-40207401	24MM	5-512024	6.2HP	230V/1PH	60
402007B	GM4030	5-1910	5-3029	2AK74H	5-40207401	24MM	5-512024	6.2HP	230V/3PH	60
402007C	GM4030	5-1910	5-3029	2AK74H	5-40207401	24MM	5-512024	6.2HP	460V/3PH	60
353007A	GM4030	5-1910	5-3029	2BK70H	5-40507001	24MM	5-512024	7.5HP	230V/1PH	60
353007B	GM4030	5-1910	5-3029	2BK70H	5-40507001	24MM	5-512024	7.5HP	230V/3PH	60
353007C	GM4030	5-1910	5-3029	2BK70H	5-40507001	24MM	5-512024	7.5HP	460V/3PH	60
503007B	GM5030	5-1915	5-3029	2BK52H	5-40505201	24MM	5-512024	10HP	230V/3PH	60
503007C	GM5030	5-1915	5-3029	2BK52H	5-40505201	24MM	5-512024	10HP	460V/3PH	60

SPECIFICATIONS: GENERAL PUMP

	PUMP						MOTOR			
Model	Pump	Pump Part No.	Unloader Part No.	Pump Pulley	Pump Pulley Part No.	Pump Bushing	Bushing Part No.	Motor Size	Motor Voltage/ph	Hz
3-11021D	T-991	5-2302	5-3025	AK84H	5-40108401	24MM	5-512024	2HP	120V/1PH	60
4-20021A	T-1011	5-2304	5-3025	2AK51H	5-40205101	24MM	5-512024	6.2HP	230V/1PH	60
4-20021B	T-1011	5-2304	5-3025	2AK51H	5-40205101	24MM	5-512024	6.2HP	230V/3PH	60
4-20021C	T-1011	5-2304	5-3025	2AK51H	5-40205101	24MM	5-512024	6.2HP	460V/3PH	60
4-30021A	TS-2021	5-2307	5-3025	2BK80H	5-40508001	24MM	5-512024	7.5HP	230V/1PH	60
4-30021B	TS-2021	5-2307	5-3025	2BK80H	5-40508001	24MM	5-512024	7.5HP	230V/3PH	60
4-30021C	TS-2021	5-2307	5-3025	2BK80H	5-40508001	24MM	5-512024	7.5HP	60V/3PH	60
5-30021B	TS-2021	5-2307	5-3025	2BK50H	5-40505001	24MM	5-512024	10HP	230V/3PH	60
5-30021C	TS-2021	5-2307	5-3025	2BK50H	5-40505001	24MM	5-512024	10HP	460V/3PH	60

SPECIFICATIONS

MOTOR (CON'T)

Model	Motor Model	Motor Pulley	Pulley Part No.	Motor Bushing	Bushing Part No.	Belt Size	Belt Part No.	Contactor Part No.	Overload Part No.
4-20024A	5-10401	2AK46H	5-40204601	HX1-1/8"	5-511113	AX42 (2)	5-602042	6-4019	N/A
4-20024B	5-1011	2AK46H	5-40204601	HX1-1/8"	5-511113	AX42 (2)	5-602042	6-4011	6-5011
4-20024C	5-1011	2AK46H	5-40204601	HX1-1/8"	5-511113	AX42 (2)	5-602042	6-4009	6-5009
4-30024A	5-1013	2BK40H	5-40504001	HX1-3/8"	5-511138	BX42 (2)	5-604042	6-4019	6-5015
4-30024B	5-10145	2BK40H	5-40504001	HX1-3/8"	5-511138	BX42 (2)	5-604042	6-4011	6-5012
4-30024C	5-10145	2BK40H	5-40504001	HX1-3/8"	5-511138	BX42 (2)	5-604042	4-4009	6-5009
4-30024N	5-1063	2BK34H	5-40503401	HX1-3/8"	5-511138	BX39 (2)	5-604039	6-40111	5-5010
5-30024B	5-1018	2BK36H	5-40503601	HX1-3/8"	5-511138	BX38 (2)	5-604038	6-4014	6-5013
5-30024C	5-1018	2BK36H	5-40503601	HX1-3/8"	5-511138	BX38 (2)	5-604038	6-4009	6-5010
402007A	5-10401	2AK46H	5-40204601	HX1-1/8"	5-511113	AX40 (2)	5-602040	6-4019	N/A
402007B	5-1011	2AK46H	5-40204601	HX1-1/8"	5-511113	AX40 (2)	5-602040	6-4011	6-5011
402007C	5-1011	2AK46H	5-40204601	HX1-1/8"	5-511113	AX40 (2)	5-602040	6-4009	6-5009
353007A	5-1013	2BK36H	5-40503601	HX1-3/8"	5-511138	BX37 (2)	5-604037	6-4019	6-5015
353007B	5-10145	2BK36H	5-40503601	HX1-3/8"	5-511138	BX37 (2)	5-604037	6-4011	6-5012
353007C	5-10145	2BK36H	5-40503601	HX1-3/8"	5-511138	BX37 (2)	5-604037	4-4009	6-5009
503007B	5-1018	2BK45H	5-40504501	HX1-3/8"	5-511138	BX36 (2)	5-604036	6-4014	6-5013
503007C	5-1018	2BK45H	5-40504501	HX1-3/8"	5-511138	BX36 (2)	5-604036	6-4009	6-5010

MOTOR (CON'T)

Model	Motor Model	Motor Pulley	Pulley Part No.	Motor Bushing	Bushing Part No.	Belt Size	Belt Part No.	Contactor Part No.	Overload Part No.
3-11021D	5-1047	AK28X5/8"	5-40102858	N/A	N/A	AX37 (1)	5-602037	N/A	N/A
4-20021A	5-10401	2AK32H	5-40203201	HX1-1/8"	5-511113	AX35 (2)	5-602035	6-4019	N/A
4-20021B	5-1011	2AK32H	5-40203201	HX1-1/8"	5-511113	AX35 (2)	5-602035	6-4011	6-5011
4-20021C	5-1011	2AK32H	5-40203201	HX1-1/8"	5-511113	AX35 (2)	5-602035	6-4009	6-5009
4-30021A	5-1013	2BK45H	5-40504501	HX1-3/8"	5-511138	BX42 (2)	5-604042	6-4019	6-5015
4-30021B	5-10145	2BK45H	5-40504501	HX1-3/8"	5-511138	BX42 (2)	5-604042	6-4011	6-5012
4-30021C	5-10145	2BK45H	5-40504501	HX1-3/8"	5-511138	BX42 (2)	5-604042	6-4009	6-5009
5-30021B	5-1018	2BK34H	5-40503401	HX1-3/8"	5-511138	BX35 (2)	5-604035	6-4014	6-5013
5-30021C	5-1018	2BK34H	5-40503401	HX1-3/8"	5-511138	BX35 (2)	5-604035	6-4009	6-5010

SHARK LIMITED NEW PRODUCT WARRANTY
PRESSURE WASHERS

WHAT THIS WARRANTY COVERS

All SHARK PRESSURE WASHERS are warranted by SHARK to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty is subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the part's warranty period. This warranty applies to the original purchaser and is not transferable.

LIMITED LIFETIME PARTS WARRANTY:

Components manufactured by SHARK, such as frames, handles, and belt guards. Forged brass pump manifold. All heating coils will have a three year warranty. Internal components (excluding oil seals) on the oil-end of all pressure washer pumps will have a seven year warranty.

ONE YEAR PARTS WARRANTY:

All other components, excluding normal wear items as described below, will be warranted for one year on parts. Warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

WARRANTY PROVIDED BY OTHER MANUFACTURERS:

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. SHARK cannot provide warranty on these items.

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, guns, discharge hoses, wands, quick couplers, seals, filters, gaskets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Damage or malfunctions resulting from accidents, abuse, modifications, alterations, incorrect installation, improper servicing, failure to follow manufacturer's maintenance instructions, or use of the equipment beyond its stated usage specifications as contained in the operator's manual.
3. Damage due to freezing, chemical deterioration, scale buildup, rust, corrosion, or thermal expansion.
4. Damage to components from fluctuations in electrical or water supply.
5. Normal maintenance service, including adjustments, fuel system cleaning, and clearing of obstructions.
6. Transportation to service center, shop labor charges, field labor charges, or freight damage.

WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE

While not required for warranty service, we request that you register your SHARK pressure washer by returning the completed registration card. In order to obtain warranty service on items, you must return the product to an Authorized SHARK Dealer, freight prepaid, with proof of purchase, within the applicable warranty period. If the product is permanently installed, you must notify your Authorized SHARK Dealer of the defect. The Authorized Dealer will file a claim, which must subsequently verify the defect. In most cases, the part must be returned to SHARK freight prepaid with the claim. For warranty service on components warranted by other manufacturers, the Authorized Dealer can help you obtain warranty service through these manufacturers' local authorized service centers.

LIMITATION OF LIABILITY

SHARK'S liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall SHARK'S liability exceed the purchase price of the product in question. SHARK makes every effort to ensure that all illustrations and specifications are correct, however, these do not imply a warranty that the product is merchantable or fit for a particular purpose, or that the product will actually conform to the illustrations and specifications. **THE WARRANTY CONTAINED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** SHARK does not authorize any other party, including authorized Dealers, to make any representation or promise on behalf of SHARK, or to modify the terms, conditions, or limitations in any way. It is the buyer's responsibility to ensure that the installation and use of SHARK products conforms to local codes. While SHARK attempts to assure that its products meet national codes, it cannot be responsible for how the customer chooses to use or install the product.

SHARK PRESSURE WASHERS
1-800-771-1881 • www.shark-pw.com

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